RollerPro™

PORTABLE SPRINKLER BASE
The 22” wide stainless steel roller of RollerPro™ provides a stable field position for supplemental watering. Designed for years of hard use, it is ideal for watering dry spots and newly seeded areas.

features
- 22” wide stainless steel roller is weighted to prevent movement during use.
- Standard 1” FHT inlet x 1” female NPT outlet.
- 3/4” inlet and outlet adapters included.

RollerPro™ works with both 1” and 3/4” hoses and sprinklers using the included adapters. Sprinklers sold separately on page 12-13.

ordering
Part # A-RP221     RollerPro™

Included with each RollerPro™:
- Part # A-BA107FM  1” FHT x 3/4” MHT Brass Hose Adapter
- Part # A-BA107MF  1” MHT x 3/4” FHT Brass Hose Adapter

For larger irrigation needs (much larger), Mirage™ sprinkler heads have a throw radius up to 164 ft.!
When customers requested a liquid version of the PelletPro™, the proven combination of our Precision™ Cloudburst™ nozzle and the high-flow composite/stainless steel valve had us halfway there. We added a chemical-resistant, UV-protected, lightweight siphon/mixing system in between to produce an applicator gun which can cover 1000 square feet in less than a minute. Now, with unmatched speed and uniformity, you can virtually “paint” your turf with liquid wetting agent, fertilizers, and micronutrients. And like the PelletPro, LiquidPro disassembles easily to create the Cloudburst™ High-Flow Valve syringe nozzle.

**features**

- Patented Precision™ Cloudburst™ nozzle evenly distributes wetting agent ensuring uniform coverage. Made of aircraft aluminum and stainless steel.
- Lightweight, durable nylon construction weighs only 3 lbs., UV-protected and chemical resistant.
- High-density polybottle has full quart capacity with easy-to-read measurements in fluid ounces and milliliters.
- Needle Valve Metering Chamber. Engineered venturi siphon mixes proper amount of wetting agent into the water flow.
- Pistol grip design with textured handle provides sure grip surface and reduces operator fatigue.
- Adjustable metering dial offers 10 additive settings including “Water Only.”
- Metering dial can be removed to prevent tampering with a predetermined setting.

**ordering**

Part # A-LPWA50K - LiquidPro™ Applicator Gun
Part # A-LPWAB-6 - 6-Pack of 32 oz. Polybottles

2 products in 1!

The Precision™ Cloudburst™ nozzle and high-flow valve can be quickly assembled to create a powerful, 48 GPM syringe nozzle.

With the included 1” FHT x 3/4” MHT brass adapter, LiquidPro™ works with both 3/4” and 1” hoses.

**time saver!**

Bring plenty of wetting agent, fertilizers, and micronutrients to the field all at once with our 6-pack of polybottles.
**PelletPro™**

**APPLICATOR GUN FOR SOLID WETTING AGENT TABLETS**

We outfitted our heavy-duty surfactant applicator with a high-flow composite/stainless steel valve and a Precision™ Cloudburst™ nozzle to produce the finest wetting agent gun available. The PelletPro™ accepts all wetting agent tablets and is designed to provide powerful, yet ultra-soft spray when watering or applying surfactants to tight, hydrophobic soils.

**features**

- 48 GPM capability gets the job done faster!
- Ultra Heavy-Duty - brass fittings, aircraft aluminum, stainless steel, and precision engineered glass-filled materials
- Patented Precision™ Cloudburst™ nozzle delivers large droplets in an outstanding fan pattern
- Pellet rotation (1 RPS) evenly dissolves/applies wetting agent tablet

**2 products in 1!**

Remove the PelletPro™ bowl and you have a superb syringe nozzle combo: the patented, 48 GPM Precision™ Cloudburst™ with our high-flow, oversized handle valve.

With the included 1” FHT x 3/4” MHT brass adapter, PelletPro™ works with both 3/4” and 1” hoses.

PelletPro’s bowl, also sold individually, works perfectly as a replacement in-line filter bowl for most spray rigs. Heavy-duty, transparent plastic shows fluids. (No more cracked bowls during winter storage!)

**ordering**

Part # A-PPWA50K PelletPro™ Applicator Gun
Part # A-PPB In-line Filter Bowl and Gasket
Part # A-PPBG Bowl Gasket
Quick Coupler Valves & Keys

SOLID BRASS, SINGLE SLOT/LUG ESSENTIALS
Built to last, Underhill valves and keys are constructed of solid red brass and stainless steel. Valves incorporate rugged one-piece design, and feature a spring-loaded high visibility vinyl cover.

Valve: Part # QV-075R
(3/4” FPT inlet)
Key: Part # QK-075
(3/4” MPT x 1/2” FPT outlet)

Valve: Part # QV-100R
(1” FPT inlet)
Key: Part # QK-100
(1” MPT x 3/4” FPT outlet)

Valve: Part # QV-150R
(1-1/2” FPT inlet)
Key: Part # QK-150
(1-1/2” MPT x 1-1/4” FPT outlet)

hose swivels
Part # HS-075 3/4” FPT x 3/4” MHT outlet
Part # HS-100 1” FPT x 3/4” MHT outlet
Part # HS-101 1” FPT x 1” MHT outlet
Part # HS-151 1-1/2” FPT x 1” MHT outlet

The Claw™
QUICK COUPLER MOTION RESTRAINT
When quick coupler valves become unscrewed from swing joints, it’s more than just a hassle - it can be dangerous. The Claw™, new from Underhill, offers a simple solution. Embedded in the soil below the quick coupler, and then securely attached to its base, The Claw provides significant resistance to rotational, vertical and horizontal motion, preventing the valve from moving. Made from high strength ductile iron, this compact anchor attaches easily with a single steel bolt.

The Claw™ pictured with 1” quick coupler, key and hose swivel.

The Claw™ pictured with 1” quick coupler, key and hose swivel.

ordering
Part # QC-075100 The Claw™ for 3/4” and 1” valves
Part # HS-150 The Claw™ for 1-1/2” valves

EASY RETROFIT
Installs without cutting or removing valve box!
Impact Sprinklers

SOLID BRASS, ULTRA-RELIABLE WORKHORSES
For reliable, trouble-free, high-performance year after year, you just can’t beat our brass impact sprinklers. Available in full circle and full/part circle, in inlet sizes of 3/4”, 1” and 1-1/4”

features
- Solid brass construction
- Stainless steel drive spring
- Bearing assembly hood for longer wear life
- Chemical resistant bearing seals
- Solid brass nozzle

3/4”
Flow: 5-15 GPM
Spacing: 40-60 ft.

1”
Flow: 15-45 GPM
Spacing: 50-80 ft.

1-1/4”
Flow: 25-120 GPM
Spacing: 75-110 ft.

Underhill’s SI100F 1” inlet brass impact atop the portable base RollerPro™ (see page 9) puts a powerful sprinkler anywhere you can run a hose.

VersaLid™

UNIVERSAL REPLACEMENT LID FOR ALL VALVE BOXES
Reduce inventory and ordering hassles with the VersaLid™, the easy solution for broken or missing valve box lids. No need to guess what brand a buried box is or dig it up to find out - VersaLid’s locking system “steps” to fit most valve boxes.

features
- Stepped locking system
- T-Top design minimizes dirt in valve box
- Fits all 6”-7” round boxes
- Interchangeable, easy to install
- Greater top-load strength and more UV-resistant than structural foam lids

(ordering)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>GPM</th>
<th>Radius (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI075F</td>
<td>3/4” MPT Full Circle Sprinkler</td>
<td>13</td>
<td>57</td>
</tr>
<tr>
<td>SI075P</td>
<td>3/4” MPT Part/Full Circle Sprinkler</td>
<td>11</td>
<td>48</td>
</tr>
<tr>
<td>SI100F</td>
<td>1” MPT Full Circle Sprinkler</td>
<td>23</td>
<td>71</td>
</tr>
<tr>
<td>SI100P</td>
<td>1” MPT Part/Full Circle Sprinkler</td>
<td>23</td>
<td>71</td>
</tr>
<tr>
<td>SI125F</td>
<td>1-1/4” MPT Full Circle Sprinkler</td>
<td>51</td>
<td>96</td>
</tr>
<tr>
<td>SI125P</td>
<td>1-1/4” MPT Part/Full Circle Sprinkler</td>
<td>54</td>
<td>78</td>
</tr>
</tbody>
</table>

Performance data shown at 80 psi. GPM and radius will vary with pressure at sprinkler
DeepDrip™

TREE WATERING STAKES

DeepDrip™ stakes allow you to water and fertilize your trees at the roots, encouraging deeper roots and healthier trees. Water gets underground fast, so you can water for shorter periods and enjoy considerable water conservation. They also help to aerate the soil with oxygen, and you can add fertilizer into the shaft to direct nutrients to the root zone. These versatile stakes are designed to work with a hose or automatic landscape drip systems, and come in three sizes. The 14.5” unit is ideal for small trees and shrubs with shallow roots, like rose bushes and ornamental trees (or in commercial use for trees still in boxes). The 24.5” stake is well-suited for most other tree varieties except for palm trees and similarly deeper rooted trees, which will benefit from the longer 36” stakes.

The DeepDrip’s reinforced tip and cap are made from ABS and the upper shaft is made from Schedule 40 PVC. Multiple holes in the bottom half of the spike, internally covered by a mesh filter, allow water to flow out but keep dirt from getting in and clogging the tube. The UV-protected cap acts as a reinforced cover when pounding the stake into the ground, keeps debris from entering the shaft and holds a 1/4” drip line/emitter securely in place. By inserting a screwdriver through the two holes at the top of the upper shaft, stakes can be easily pulled up to remove/reposition or rotated to deter root invasion.

DeepDrip™ watering stakes can be installed during or after tree planting. Once in, you have instant access to the root system for fertilizer delivery or to set up deep automatic drip watering.

ordering

Part # A-DD14 DeepDrip™ 14.5” watering stake
Part # A-DD24 DeepDrip™ 24.5” watering stake
Part # A-DD36 DeepDrip™ 36” watering stake

MicroEase™

MICRO-IRRIGATION KITS

Convert your current, inefficient irrigation into a highly effective, low-maintenance, water-saving drip system. MicroEase™ kits can connect to a water faucet, existing sprinkler system or 1/2” riser, providing efficient, low volume irrigation ideal for landscaping, shrubs and planter areas.

ordering

Part # ME-SS-PK MicroEase™ Pro Kit with spray spikes (25)
Part # ME-8SS-PK MicroEase™ Pro Kit with 8-stream spikes (25)
Part # ME-SS-SCK MicroEase™ Conversion Kit with spray spikes (9)
Part # ME-8SS-SCK MicroEase™ Conversion Kit with 8-stream spikes (9)
TurfSpy™

EARLY STRESS DETECTION GLASSES

Disease, drought and weed invasion are plant and turf killers. But by the time you see them it can be too late. TurfSpy™ glasses, with stress detection technology developed by NASA, lets you "see into the future" to identify problems 2-10 days before they are visible to your naked eye. Keep your turf and vegetation healthy BEFORE serious problems arise.

features

- Shatterproof/polycarbonate stress detection lens (ANSI approved safety lens)
- Wrap-around lens limits ambient light for optimal detection
- Sports frame with adjustable ear piece
- Lightweight case included

HOW IT WORKS: Dying vegetation absorbs and reflects sunlight differently then when its healthy. The earliest signals occur at the outer limits of the human visual spectrum, and are rendered invisible compared to the predominant middle wavelengths. TurfSpy™ filters the light in the center so that fringe spectra, which show early plant stress, become visible.

CatchCan Pro™

SPRINKLER PERFORMANCE TESTING SYSTEM

Stop Overwatering and Save! Poorly performing sprinklers often go unnoticed as watering times are gradually increased to compensate. Catch them in the act - accurately measure sprinkler application rate with an Underhill™ CatchCan Pro™ system.

features

- Self standing easily anchors into turf, will also work on slopes
- Measures sprinkler application in inches or centimeters
- Unique design allows for shorter duration test
- Made of durable polypropylene engineered plastic
- Can be stacked for easy storage
- Each 10 pack kit comes with instructions.

ordering

Part # NG655-01 TurfSpy™ Glasses and Deluxe Case

Part # CCPK-10 CatchCan-Pro™ 10-pack (includes directions)
The marks on this green are tire marks as you might have suspected but what makes these tire marks unique is that the tires were on an airplane. The crash happened at about 11:30 am before a noon shotgun start, so luckily there were no golfers on the course. Since the plane’s engine had died, it came in very quietly until it bounced off the golf green and crashed into the big oak trees behind the green. There was an off duty EMT working at the club that day who attended to the pilot (only minor injuries) and kept onlookers at bay because fuel was leaking from the plane. Damage to the golf green was minimal and recovered in about 2 weeks however the oak tree died due to the fuel spill. The superintendent reported that the 18th hole had to be closed while the FAA investigated, so the outing played 17 holes that day. He also reported that removing the plane caused more damage to the course’s turf than the plane crash itself.

Photo submitted by Joel Peterson GCS, New Berlin Hills Golf Course, New Berlin, WI.

If you would like to submit a photograph for John Mascaro’s Photo Quiz please send it to John Mascaro, 1471 Capital Circle NW, Ste # 13, Tallahassee, FL 32303 or email to john@turf-tec.com. If your photograph is selected, you will receive full credit. All photos submitted will become property of SportsTurf magazine and the Sports Turf Managers Association.
“We’ve Been More Than Satisfied With Our Choice Of Riviera.”

In the tough current economy, sports fields especially need a fast, high-quality solution that saves major cost up front—and all year ‘round. Needing a “seeded bermuda that was cold tolerant and aggressive,” Kevin Moore and his crew chose Riviera for their new practice soccer complex. “We applied it at the end of June, and by the end of August we had a fantastic facility that was ready for play,” he says. Since then, they’ve tested other seeded varieties, and “Riviera consistently outperforms them all,” he adds. “We’ve been more than satisfied with our choice of Riviera.”

Across the U.S. and worldwide, sports turf managers like Kevin Moore of Bridgewater College of Virginia are recommending Riviera for its exceptional drought tolerance, cold tolerance, extreme wear tolerance, quick recovery rate, quick grow-in, greenup, top ranked turf quality and cost compared to other options.

No. 1 in NTEP Trials for 10 Consecutive Years!*  

<table>
<thead>
<tr>
<th>Material</th>
<th>Planting Rate</th>
<th>% Cost of Riviera</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riviera</td>
<td>2 lb./1000 sq ft</td>
<td>100%</td>
</tr>
<tr>
<td>High quality bermudagrass spring</td>
<td>500 bu./acre</td>
<td>102%</td>
</tr>
<tr>
<td>High quality bermudagrass sod</td>
<td>Solid</td>
<td>65%</td>
</tr>
<tr>
<td>Cool Season Seed</td>
<td>10 lb./1000 sq ft</td>
<td>50%</td>
</tr>
<tr>
<td>Cool Season Sod</td>
<td>Solid (Fescue)</td>
<td>800%</td>
</tr>
<tr>
<td>Zoysia seed</td>
<td>2 lb./1000 sq ft</td>
<td>135%</td>
</tr>
<tr>
<td>Zoysia sod</td>
<td>Solid</td>
<td>960%</td>
</tr>
</tbody>
</table>

Planting costs may vary, but establishing bermudagrass by seeding is usually lower than by spraying, and much lower than establishing with sod. Seeding requires less preparation than spraying or sodding contributing to the reduced total cost of establishing with seed.

*Johnston Seed Company
The Cold-Tolerant Bermudagrass Experts
800-375-4613

*NTEP Trials for commercially available seeded bermudagrass.